

Before using your air conditioner, please read this manual carefully and keep it for future reference.



USER'S MANUAL FOR ROOM AIR CONDITIONER (Inverter Split-Type)



**Congratulations on your purchase
of a Lennox air conditioner**

Read this manual

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventative care on your part can save you a great deal of time and money over the life of your air conditioner. You'll find many answers to common problems in the chart of troubleshooting tips. If you review the chart of Troubleshooting Tips first, you may not need to call for service.

For MODELS –

LNIV2610
LNIV3510
LNIV5010
LNIV6510

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CAUTION

- Contact an authorised service technician for repair or maintenance of this unit.
- Contact the authorized installer for installation of this unit.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- If the power cord is to be replaced, replacement work shall be performed by authorised personnel only.
- Installation work must be performed in accordance with the national wiring standards by authorised personnel only.

SAFETY PRECAUTIONS

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring these instructions may cause harm or damage.



The seriousness is classified by the following symbols.

 WARNING	This symbol indicates the possibility of death or serious injury
 CAUTION	This symbol indicates the possibility of injury or damage to property

WARNING

- ⓘ **Connect to the proper power supply – 240V/50Hz**
 - If not it may cause an electric shock or fire due to heat generation
- ⊘ **Do not modify power cord length or share the outlet with other appliances**
 - It may cause an electric shock or fire due to heat generation
- ⓘ **Always ensure effective earthing**
 - No earthing may cause an electric shock
- ⓘ **Disconnect the power if unusual sounds, smell or smoke is emitted**
 - It may cause fire and an electric shock
- ⓘ **Use the correctly rated breaker or fuse**
 - If not, it increases the risk of fire or an electric shock
- ⊘ **Do not operate or stop the unit by switching the power On or Off**
 - It may cause an electric shock or fire due to heat generation
- ⊘ **Do not operate with wet hands or in a damp environment**
 - You may get an electric shock
- ⊘ **Do not allow water to run into electric parts**
 - It may cause failure of machine or an electric shock
- ⊘ **Do not drink water drained from air conditioner**
 - It contains contaminants and could make you sick

Meanings of symbols used in this manual are as shown below:

	Never do this
	Always do this

- ⊘ **Do not use the power cord close to other heating appliances**
 - It may cause fire and an electric shock
- ⊘ **Do not use an unspecified or damaged power cord**
 - It may cause an electric shock or a fire
- ⊘ **Do not direct airflow at room occupants only**
 - This could make you feel sick
- ⓘ **Always install a circuit breaker and a dedicated power circuit**
 - Failure to do so may cause a fire and an electric shock
- ⊘ **Do not open the unit whilst in operation**
 - You may get an electric shock
- ⊘ **Do not disassemble or modify the unit**
 - It may cause failure and an electric shock
- ⓘ **Ventilate room before operating air conditioner if there has been a gas leak from another appliance**
 - It may cause an explosion, result in a fire and inflict burns
- ⊘ **Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinners, etc**
 - It may cause an explosion or result in a fire

SAFETY PRECAUTIONS

⚠ CAUTION

- ⊘ When the air filter is to be removed, do not touch the metal parts of the unit
 - It may be hot and cause injury
- ⓘ When the unit is to be cleaned, switch power off and turn off the circuit breaker
 - Do not clean unit when power is on as it may cause a fire and an electric shock as well as inflicting personal injury
- ⓘ Stop operation and close the window during a storm or severe winds
 - Operating with windows open may cause water damage to internal structure and household items
- ⊘ Do not use strong detergent for cleaning. Use a soft cloth.
 - Appearance may deteriorate due to change of product colour or scratching of surface
- ⊘ Do not place heavy objects on the power cord and take care so that the cord is not compressed
 - May result in fire or electric shock
- ⊘ Do not clean the air conditioner with water
 - Water may enter the unit and degrade the insulation. It may also cause an electric shock.
- ⊘ Do not put a pet or house plant where it will be exposed to direct air flow
 - This could injure the pet or harm the plant
- ⊘ Do not place obstacles around air inlets or inside the air outlet
 - It may cause appliance failure or an accident
- ⓘ Ensure that the installation bracket of the outdoor appliance is not damaged due to prolonged exposure to the elements
 - If bracket is damaged, the unit may be in danger of falling down
- ⓘ Use caution when unpacking and installing. Sharp edges could cause injury.
- ⓘ Ventilate the room well when used in conjunction with a stove, etc.
 - An oxygen shortage could result in breathing difficulties
- ⊘ Do not use this air conditioner to preserve precision devices, food, pets, plants and art objects
 - It may actually damage or harm these items
- ⓘ Turn off the main power switch when not using the unit for a long time
 - It may cause product failure or start a fire
- ⓘ Always insert the filters securely. Clean filter once every two weeks.
 - Operating without filters may result in unit failure
- ⓘ If water enters the unit, turn the unit off and disconnect the power. Contact a qualified service technician.

OPERATING INSTRUCTIONS

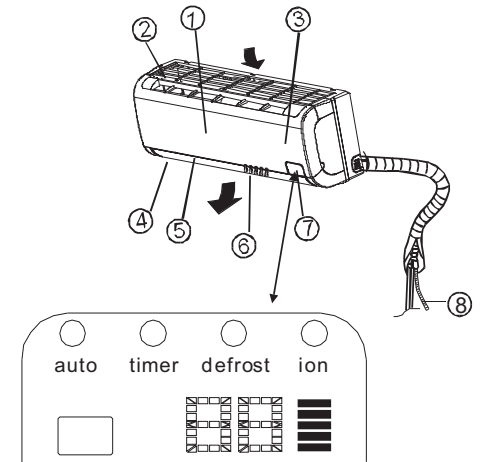
Part names

Indoor unit

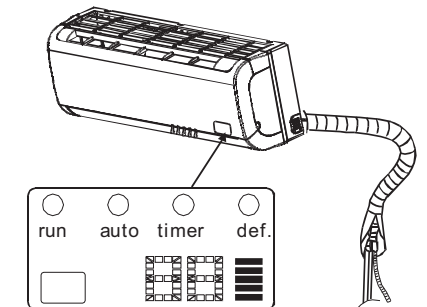
NOTE: There is a slight difference on the front panel and display window, otherwise the features are the same as the outdoor unit.

Indoor unit

1. Front panel
2. Air inlet
3. Air filter (under the panel)
4. Air outlet
5. Horizontal air flow grille
6. Vertical air flow louvre (inside)
7. Display panel
8. Connecting pipe, drain hose



(A)



(B)

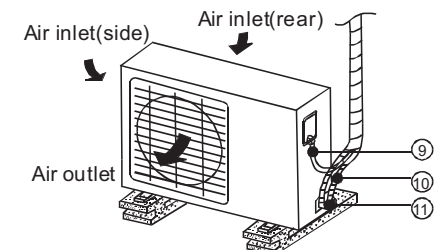
Outdoor unit

9. Connecting cable
10. Connecting pipe
11. Stop valve

NOTE:

All pictures in this manual are for illustrative purposes only. Your air conditioner may differ slightly from illustrations depicted.

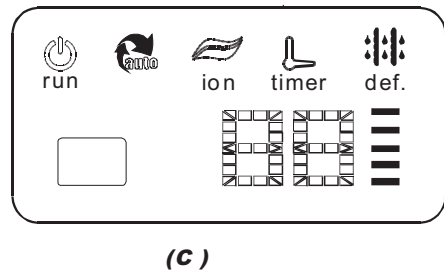
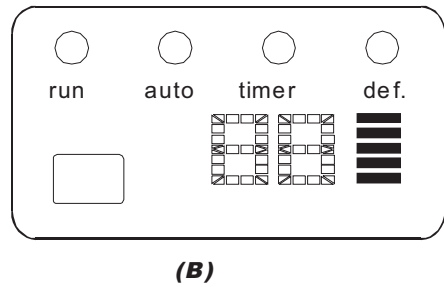
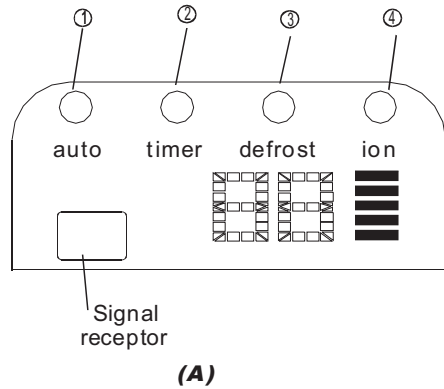
Outdoor unit



OPERATING INSTRUCTIONS

Indicator lights on display panel

NOTE: The display panel of the indoor unit you purchased may look like one of the following:



- ① **Auto indicator:**
Lights up when the air conditioner is in AUTO operation.
- ② **Timer indicator:**
Lights up when TIMER is set to ON/OFF
- ③ **Defrost indicator:**
(For cooling and heating models only):
Lights up when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.
- ④ **Ion Indicator:**
Lights up when Ion feature is activated and the lonizer can generate sufficient anions to fill the room with refreshing and natural air.
NOTE: This function is only available for units with the lonizer option.

Digital display:
Displays the current temperature setting and malfunction/protection code when the air conditioner is in operation.

Frequency display:
This display is separated into five zones. The zones light up based on the compressor current frequency. For example, a higher frequency will light up more zones.

RUN indicator lamp:
This lamp lights up when the air conditioner is in operation.

AUTO indicator lamp:
Lights up whilst the Auto setting is in use.

ION indicator lamp (optional function):
Lights up when the Clean Air feature is activated and the lonizer can generate sufficient anions to fill the room with refreshing and natural air.

TIMER indicator lamp:
Lights up during Timer operation

DEFROST indicator lamp:
(For cooling and heating models only):
Lights up when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.

OPERATING INSTRUCTIONS

NOTE: This manual does not include Remote Controller Operations. See the Remote Controller Instruction booklet included with the unit for details.

Operating temperature

Temperature	Mode	Cooling operation	Heating operation	Drying operation
Room temperature		$\geq 17^{\circ}\text{C}$	$\leq 30^{\circ}\text{C}$	$> 10^{\circ}\text{C}$
Outdoor temperature		$0^{\circ}\text{C} - 50^{\circ}\text{C}$	$-15^{\circ}\text{C} - 34^{\circ}\text{C}$	$0^{\circ}\text{C} - 50^{\circ}\text{C}$
		$-15^{\circ}\text{C} - 50^{\circ}\text{C}$ (For models with low temperature cooling system)		

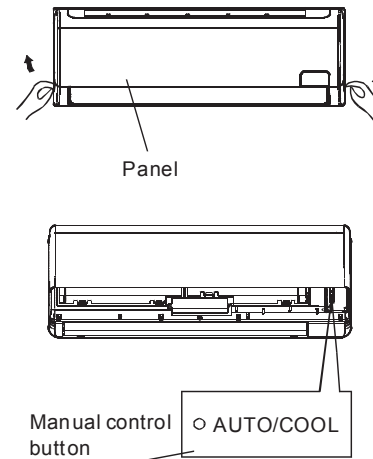
CAUTION

- If air conditioner is used outside of the above conditions, certain safety protection features may come into operation and cause the unit to function abnormally.
- Room relative humidity must be less than 80%. If the air conditioner operates in excess of this figure, the surface of the air conditioner may attract condensation. Please set the vertical air flow louvre to its maximum angle (vertically to the floor), and set on HIGH fan mode.
- Optimum performance will be achieved when used within these operating temperatures.

Suggestion: If the unit includes an Electric Heater, and the outside ambient temperature is below 0°C , we strongly recommend keeping the machine plugged in to ensure it runs smoothly.

Manual operation

Manual operation can be used temporarily in case the remote controller is disabled or maintenance is required.



NOTE: The unit must be turned off before operating the manual control button. If the unit is operational, continue pressing the manual control button until the unit switches off.

- Open and lift the front panel up until it remains fixed with a clicking sound.
- One press of the manual control button will lead to the forced AUTO operation. If the button is pressed twice within five seconds, the unit will operate under forced COOL operation.
- Close the panel firmly to its original position.

CAUTION

- This button is used for testing purposes only. Unauthorised use is not recommended.
- To restore remote controller access, use the remote controller directly.

OPERATING INSTRUCTIONS

Airflow direction control

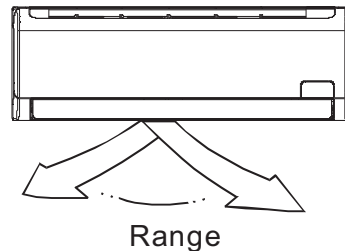
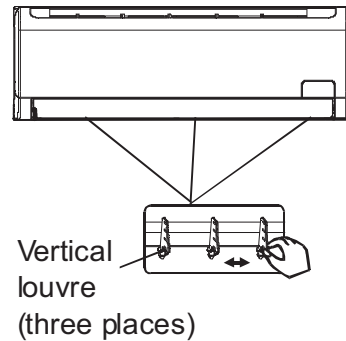
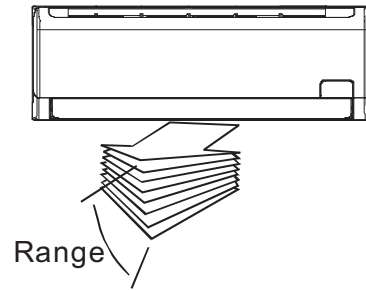
- Adjust the air flow direction properly otherwise it might cause discomfort or cause uneven room temperatures.
- Adjust the horizontal louvre using the remote controller.
- Adjust the vertical louvre manually.

Setting the vertical air flow (up - down) direction.

Perform this function while the unit is in operation. Use the remote controller to adjust the air flow direction. The horizontal louvre can be moved 6° each button press, or swing up and down automatically. Please refer to the "REMOTE CONTROLLER OPERATION MANUAL" for more details.

Setting the horizontal air flow direction (left - right).

- Move the vertical louvre manually to adjust the air flow in the direction you prefer.
IMPORTANT: Before adjusting the vertical louvres, the supply power must be disconnected.
- For some models, the vertical louvre can be adjusted by using the remote controller. Please refer to the "REMOTE CONTROLLER OPERATION MANUAL" for more details.



⚠ CAUTION

- Do not operate the air conditioner for long periods with the air flow direction set downward in cooling or dehumidifying mode. Otherwise, condensation may occur on the surface of the horizontal louvre causing moisture to drop on to the floor or onto furnishings.
- Do not move the horizontal louvre manually unless it is necessary. Always use the remote controller.
- When the air conditioner is re-started immediately after it was turned off, the horizontal louvre might not move for approximately 10 seconds.
- The open angle of the horizontal louvre should not be set too small, as COOLING or HEATING performance may be impaired due to the restricted air flow area.
- Do not operate unit with horizontal louvre in closed position.
- When the air conditioner is initially connected to power, the horizontal louvre may generate a sound for 10 seconds. This is normal.

OPERATING INSTRUCTIONS

How the air conditioner works

AUTO operation

- When the air conditioner is set to AUTO mode, it will automatically select cooling, heating (cooling/heating models only), or fan-only operation depending on what temperature you have selected and the room temperature.
- The air conditioner will control room temperature automatically depending on the temperature set by you.
- If the AUTO mode is uncomfortable, you can select desired conditions manually.

SLEEP operation

When the SLEEP button is pressed on remote controller during cooling, heating (cooling & heating models only), or AUTO operation, the air conditioner will automatically increase (cooling) or decrease (heating) at the rate of 1°C per hour for the first 2 hours, then hold steady for the next 5 hours. After that it will switch off. This characteristic saves energy and maintains comfort levels during night operation.

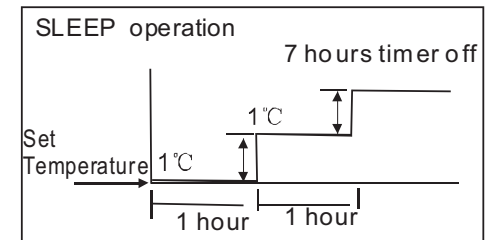
DRYING operation

- The fan speed will be automatically controlled under dry operation.
- During the dry operation, if the room temperature is lower than 10°C, the compressor stops operation and restarts once the room temperature rises above 12°C.

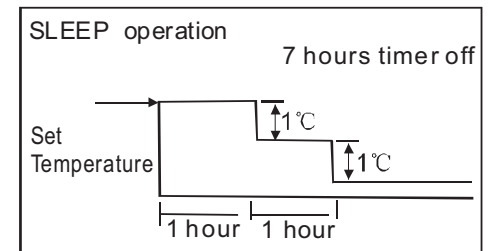
Optimal operation levels

To achieve optimal performance, please note the following;

- Adjust the air flow direction correctly so that it is not directed on people.
- Adjust the temperature to achieve the highest comfort level. Do not adjust the unit to excessive temperature levels.
- Close doors and windows on COOL or HEAT modes or performance may be reduced.
- Use TIMER ON button on the remote controller to select a time you want to start your air conditioner.
- Do not put any object near the air inlet or outlet, as the efficiency of the air conditioner may be reduced and the air conditioner may stop running.
- Clean the air filter periodically, otherwise cooling or heating performance may be reduced.
- Do not operate unit with horizontal louvre in closed position.



Cooling



Heating

CARE AND MAINTENANCE

Care and maintenance

Cleaning the Grille, Case and Remote Controller

- Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE: Supply power must be disconnected before cleaning the indoor unit.

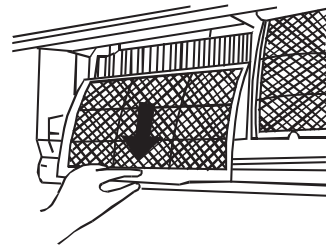
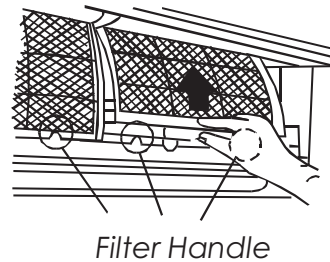
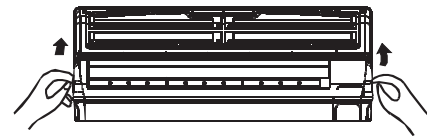
⚠ CAUTION

- A cloth dampened with cold water may be used on the indoor unit if it is very dirty. Then wipe with a dry cloth.
- Do not use a chemically treated cloth or duster to clean the unit.
- Do not use benzene, thinner, polishing powder or similar solvents for cleaning. These may cause the plastic surface to crack or deform.
- Never use water hotter than 40°C to clean the front panel as it could cause deformation or discolouration.

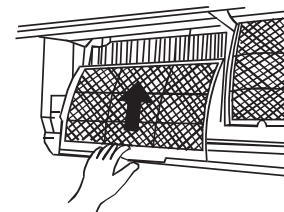
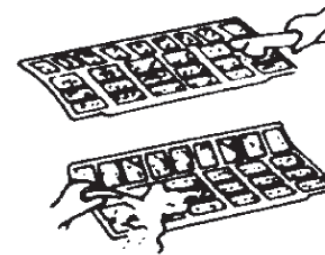
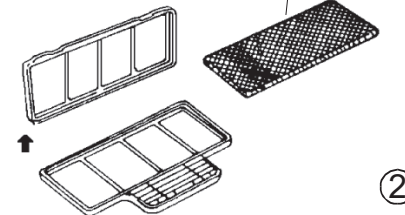
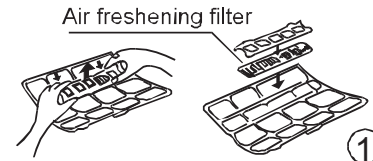
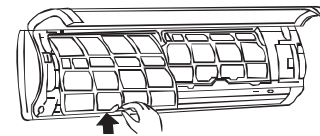
Cleaning the air filter

A clogged air filter reduces the cooling efficiency of this unit. Please clean the filter once every 2 weeks.

1. Lift the indoor unit panel up to an angle until it stops with a clicking sound.
2. Take hold of the handle of the air filter and lift it up slightly to take it out from the filter holder, then pull it downwards.
3. Remove the AIR FILTER from the indoor unit.
 - Clean the AIR FILTER once every 2 weeks
 - Clean the AIR FILTER with a vacuum cleaner or water, then dry it up in cool place.



CARE AND MAINTENANCE



4. Remove the Air Freshening Filter from its support frame (on some models).

(The optional filter includes: Plasma Dust Collector/Silver Ion filter/Bio filter/Vitamin C filter/3M air purifier filter, etc. The removing and installation methods are slightly different, see the pictures marked 1 and 2 on the left.)

- Clean the air freshening filter at least once a month and replace it every 4-5 months.
- Clean it with a vacuum cleaner, then dry it in cool place.

⚠ Do not touch the Plasma Dust Collector Filter within 10 minutes after opening the front panel – it may cause an electric shock.

5. Insert the air freshening filter back into position.
6. Insert the upper portion of air filter back into the unit, taking care that the left and right edges line up correctly and place filter into position.

Maintenance

If you plan to idle the unit for a long time, perform the following:

1. Operate the fan for about half a day to dry the inside of the unit.
2. Stop the air conditioner and disconnect power. Remove the batteries from the remote controller.
3. The outdoor unit requires periodic maintenance and cleaning. Do not attempt to do this yourself. Contact your dealer or service provider.

Checklist before operation:

- Check that the wiring is not broken, loose or disconnected.
- Check that the air filter is installed correctly.
- Check that the air outlet or inlet is not blocked after the air conditioner has not been used for a long time.

⚠ CAUTION

- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- When cleaning the unit, first make sure that the power and circuit breaker are turned off.

OPERATING TIPS

The following events may occur during normal operation.

1. Protection of the air conditioner.

Compressor protection

- The compressor can't restart for 3 minutes after it stops.

Anti-cold air (Cooling and heating models only)

- The unit is designed not to blow cold air on HEAT mode, when the indoor heat exchanger is in one of the following three situations and the set temperature has not been reached.

a) When heating has just started.

b) Defrosting.

c) Low temperature heating.

- The indoor or outdoor fan stops running when defrosting (Cooling and heating models only).

Defrosting (Cooling and heating models only)

- Frost may be generated on the outdoor unit during heat cycle when outdoor temperature is low and humidity is high resulting in lower heating efficiency of the air conditioner.
- During this condition air conditioner will stop heating operation and start defrosting automatically.
- The time to defrost may vary from 4 to 10 minutes according to the outdoor temperature and the amount of frost build-up on the outdoor unit.

2. A white mist coming out from the indoor unit

- A white mist may generate due to a large temperature difference between air inlet and air outlet on COOL mode in an indoor environment that has a high relative humidity.
- A white mist may generate due to moisture generated from defrosting process when the air conditioner restarts in HEAT mode operation after defrosting.

3. Low noise emitted from the air conditioner

- You may hear a low hissing sound when the compressor is running or has just stopped running. This sound is the sound of the refrigerant flowing or coming to a stop.
- You can also hear a low "squeak" sound when the compressor is running or has just stopped running. This is caused by heat expansion and cold contraction of the plastic parts in the unit when the temperature is changing.
- A noise may be heard due to louvre returning to its original position when power is first turned on.

4. Dust is blown out from the indoor unit.

This is a normal condition when the air conditioner has not been used for a long time or during first use of the unit.

5. A peculiar smell comes out from the indoor unit.

This is caused by the indoor unit giving off smells permeated from building material, from furniture, or smoke.

6. The air conditioner turns to FAN only mode from COOL or HEAT (For cooling and heating models only) mode.

When indoor temperature reaches the temperature setting on air conditioner, the compressor will stop automatically, and the air conditioner turns to FAN only mode. The compressor will start again when the indoor temperature rises on COOL mode or falls on HEAT mode (For cooling and heating models only) to the set point.

7. Dripping water may accumulate on the surface of the indoor unit when cooling in a high relative humidity (relative humidity higher than 80%). Adjust the horizontal louvre to the maximum air outlet position and select HIGH fan speed.

8. Heating mode (For cooling and heating models only)

The air conditioner draws in heat from the outdoor unit and releases it via the indoor unit during heating operation. When the outdoor temperature falls, heat drawn in by the air conditioner decreases accordingly. At the same time, heat loading of the air conditioner increases due to larger difference between indoor and outdoor temperature. If a comfortable temperature can't be achieved by the air conditioner, we suggest you use a supplementary heating device.

OPERATING TIPS

9. Auto-restart function

Power failure during operation will stop the unit completely.

- For the unit without Auto-restart feature, when the power restores, the OPERATION indicator on the indoor unit starts flashing. To restart the operation, push the ON/OFF button on the remote controller. For the unit with Auto-restart feature, when the power restores, the unit restarts automatically with all the previous settings preserved by the memory function.
- For some models, the machine is specially designed with an Auto-restart function for the open angle of the horizontal louvre. Power failure during operation or pressing the ON/OFF button on the remote controller will stop the unit completely. When the power restores or pressing the ON/OFF button on the remote controller again, the unit restarts automatically with all the previous settings including the open angle of the horizontal louvre by virtue of the memory function. We strongly suggest that the open angle of the horizontal louvre should not be set too small, in case condensed water forms and drops from the horizontal louvre. Press the AUTO/COOL button under the front panel and the open angle of the horizontal louvre will be restored to the standard angle when the condensed water forms on the horizontal louvre.

10. Lightning or a car mobile phone operating nearby may cause the unit to malfunction.

Disconnect the unit from the power source and then re-connect the unit again. Push the ON/OFF button on the remote controller to restart operation.

TROUBLESHOOTING TIPS

Stop the air conditioner immediately if one of the following faults occur. Disconnect the power and contact the nearest customer service centre.	
Trouble	If the following code appears on the LED window, disconnect the power and contact the service people: E0, E1, E2, E3, E4, E5, E6, E7, E8 or P0, P1, P2, P3, P4, P6
	Fuse blows frequently or circuit breaker trips frequently.
	Objects or water penetrate the air conditioner.
	The remote controller won't work or works abnormally.
	Operation indicator or other indicators flash rapidly and this flash cannot be stopped by disconnecting the power and then connecting it in again.

Malfunctions	Cause	What should be done?
Unit does not start	Power has been cut	Wait for power to be restored
	Unit may have become unplugged	Check that plug is securely in powerpoint
	Fuse may have blown	Replace the fuse
	Battery in Remote controller may have been drained	Replace the battery
	The time you have set with timer is incorrect	Wait or cancel timer setting
Unit not cooling or heating (cooling/heating models only) room very well while air flowing out from the air conditioner	Inappropriate temperature setting	Set temperature correctly. For detailed method please refer to "Using remote control" section
	Air filter is blocked	Clean the air filter
	Doors or windows are open	Close the doors or windows
	Air inlet or outlet of indoor or outdoor unit has been blocked	Clear obstructions away first, then restart the unit
	Compressor 3 minutes protection has been activated	Wait and the problem will correct itself
If the problem has not been rectified, please contact a local dealer or the nearest customer service centre. Be sure to inform them of the malfunctions in detail and also specify the unit model.		

NOTES: Do not attempt to repair the unit yourself. Always consult an authorised service provider.